Intrinsic builds business

Intrinsic Semiconductor, a manufacturer of wide bandgap materials, now offers a variety of commercial SiC wafer products. These include insulating and conducting SiC substrates for use in GaN and SiC high power and high-frequency device development.

President and CEO Cengiz Balkas said: "Intrinsic has dedicated extensive efforts on developing a robust and cost effective technology base as well as a distinct IP position. As a result, we are very pleased to offer competitively performing SiC wafers to the rapidly developing SiC and GaN materials and device markets. With its world class team and infrastructure, Intrinsic is positioned to be a major player and is committed to becoming the cost and volume leader servicing the wide bandgap device markets."

In other news, Intrinsic has appointed New Metals and Chemicals Corporation of Tokyo as its distributor in Japan.

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Design kits for pHEMT processes

GaAs foundry provider, TriQuint Semiconductor, offers Advanced Design System (ADS) kits for seven of the widely-utilised pHEMT processes available through its Richardson, Texas location.

Kits contain sets of scalable passive and active elements for four 0.25µm pHEMT processes, the 0.15µm LN-pHEMT process and the 0.5µm pHEMT and 0.5µm HFET processes, and offer improved accuracy.

Targeting the latest version of Agilent Technologies’ ADS, the kits take advantage of the programme’s simulation, schematic and layout synchronisation capability, as well as the ADS Design Rule Checker module.

"Our customers benefit by being able to design their MMICs with more accuracy and convenience in a shorter period of time than with the prior baseline foundry kits. ADS is an important toolset to support, exhibiting the widest usage in our customer base and within TriQuint," said Eli Reese, director of Design Engineering at TriQuint Semiconductor, Richardson.

Karen Johnson, TriQuint’s Foundry Engineering manager, added: "We’ve had a long working relationship with Agilent. The ADS design kits install easily and without problems, so our customers can start designing right away. With the DRC capability, customers have the added advantage of checking that their design meets the layout rules, which leads to decreased cycle time and a more producible design."

The design kits are a subset of the essential components and tools from the fully integrated and automated MASC (MMIC Artwork and Schematic Capture) Library, which was released by TriQuint in 1998.